

Glass melting furnace with high-momentum, oxygen-fired auxiliary burner mounted in the front wall.

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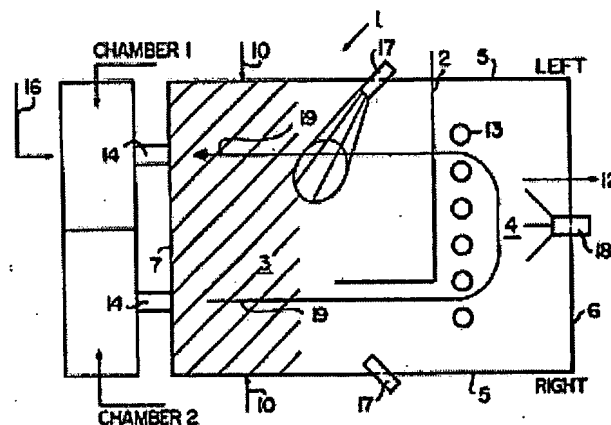
Cited documents:

EP0447300
US3592623
US4473388
WO9012760
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Abstract of EP0508139

In a glass melting furnace having an upstream melting zone and a downstream fining zone, wherein the glass forming ingredients are introduced to the upstream melting zone via inlet means and the resulting melt therefrom travel along a path from the melting zone to the fining zone, said melt being withdrawn from outlet means which communicate with the fining zone, there is provided at least one high momentum oxygen-fired flame in the vicinity of said outlet means to sweep unmelted glass forming ingredients floating on the surface of the melt away from said vicinity and so prevent said unmelted glass forming ingredients from entering the outlet means whereby the contamination of an outflowing molten glass from said outlet means is avoided or reduced.



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